

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,452,842 B2
APPLICATION NO. : 10/678288
DATED : November 18, 2008
INVENTOR(S) : Wakatsuki et al.

Page 1 of 1

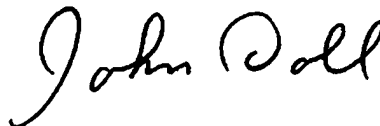
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page, See Item (73) Assignee: should read as follows:

--Japan Oil, Gas and Metals National Corporation, Kanagawa (JP), and
Japan Petroleum Exploration Co., Ltd., Tokyo (JP)--

Signed and Sealed this

Ninth Day of June, 2009

A handwritten signature in black ink that reads "John Doll". The signature is written in a cursive, flowing style.

JOHN DOLL
Acting Director of the United States Patent and Trademark Office